

## Organising Company : Petrosync

Event Name : [AVO, Inversion and Attributes in Seismic Interpretation](#)

Start date of the event : 05<sup>th</sup> March 2012

End date of the event : 09<sup>th</sup> March 2012

Event Country : Malaysia

Event City : Kuala Lumpur

Event Venue : TBA

Event URL : <http://petrosync.com/events/details/AVO,-Inversion-and-Attributes-in-Seismic-Interpretation>

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### **Description:**

This course is designed for all geoscientists involved in interpreting seismic data in their work. Key principles, shortcomings and the practical applications of AVO Inversion and seismic attribute analysis will better help to understand the nature of seismic images obtained related to hydrocarbons. This technology will provide interpreters with the opportunity to interpret the seismic images effectively and representative of the rock attributes, and avoid pitfalls.

Special emphasis will be given to practical aspects of seismic attribute analysis to improve the interpretative capability of seismic data and determining reservoir properties. Some discussion of the conventional and unconventional statistical methods (such as neural networks, fuzzy logic and genetic algorithms) will show how different attributes and AVO/ inversion results can be integrated to further enhance their usefulness.

Several case histories to determine hydrocarbon probability of an exploration target as well as characterizing reservoirs and monitoring changes in the reservoirs will be presented plus hands-on exercises will enable course participants to use their newly acquired knowledge to solve a few E&P problems.

### **Benefits:**

- **UNDERSTAND** the key principles and concepts in applying AVO inversion technologies
- **LEARN** to characterize static and dynamic reservoir properties and qualities
- **APPLY** various seismic attribute tools and technologies to interpret seismic data efficiently
- **MANAGE** risk factors and error margins in reservoir prediction
- **OVERCOME** the limitations and problems faced in applying these technologies
- **OPTIMIZE** the interpretative capability of seismic data and determining reservoir properties
- **GAIN** a hands-on approach in tackling real-life E&P problems by utilizing these technologies
- **INTEGRATE** seismic attributes and AVO inversion results to maximize their application

This program is designed for :

- **Geophysicists**
- **Geologists**
- **Reservoir engineers**
- **Seismic interpreters**
- **Exploration and Production managers**

**PLUS anyone who is in need of a good understanding of the principles and applications of these technologies.**

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